

DP-300088

MODULAR VALVE ASSEMBLY FOR A VACUUM BOOSTER

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ABSTRACT OF THE DISCLOSURE

A vacuum booster and method includes a modular valve assembly having
10 components held together by a snap connection. The modular valve assembly, includes
an air valve adapted for receiving a push rod, a floating control valve (FCV), an air valve
spring, a floating control valve (FCV) spring, an FCV support, and a spring seat. The
spring seat is operatively attached by a snap connection to the air valve, and retains the
FCV, air valve spring, FCV support, and FCV spring between the spring seat and the air
15 valve. A second snap connection is utilized for attaching a push rod after the modular
valve assembly is installed into a booster. The push rod may be installed after the
otherwise fully assembled booster, including the modular valve assembly, has been
tested.